

## SEQUENCE LISTING

<110> Clark, Janet  
 Rohrer, Susan  
 Alves, Stephen E.

<120> Tryptophan Hydroxylase Assay

<130> 21226Y

<140> 10/528,309

<141> 2005-03-17

<150> 60/412,094

<151> 2002-09-19

<150> US03/29320

<151> 2003-09-15

<160> 9

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 265

<212> DNA

<213> Mus Musculus

<220>

<221> misc\_feature

<222> (0)...(0)

<223> Isolate P815 Mouse Mastocytoma cell line, strain  
 DBA, ATCC Deposit No. TIB-64

<400> 1

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tcctctcggg ggactcgccc gatcagctca ctgcgaagga agacgttatg gagactgtcc 180
cttggtttcc aaagaagatt tctgacctgg acttctgcgc caacagagtg ctggtgtatg 240
gatccgaact tgacgccgac cacc                                     265
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<210> 2

<211> 265

<212> DNA

<213> Rattus Rattus

<400> 2

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tcctctctgt ggactcgccc gatcagctcc ctgaaaagga agatgttatg gagactgtcc 180
cttggtttcc aaagaagatt tctgacctgg acttctgcgc caacagagtg ctggtgtacg 240
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<210> 3

<211> 265

<212> DNA

<213> Homo Sapiens

<400> 3

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ttctctctgt gaatctacca gataatttta ctttgaagga agatgggtatg gaaactgttc 180
cttggtttcc aaagaagatt tctgacctgg accattgtgc caacagagtt ctgatgtatg 240
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265

&lt;210&gt; 4

&lt;211&gt; 1732

&lt;212&gt; DNA

&lt;213&gt; Mus Musculus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (0)...(0)

<223> Isolate P815 Mouse Mastocytoma cell, strain DBA  
ATCC deposit No. TIB-64

&lt;400&gt; 4

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gagaacaaag accattcctc cgaaagaggg agagtgactc tcatcttctc cttggagaat 180
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&lt;211&gt; 1344

&lt;212&gt; DNA

&lt;213&gt; Mus Musculus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (0)...(0)

<223> Isolate P815 Mouse Mastocytoma, cell line, Strain  
DBA, ATCC, Deposit No. TIB-64

&lt;400&gt; 5

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ttccaggaga atcatgtgag cctgttacac atcagatccc ggaaatcaaa gcaaagaaat 180
tcagaatttg agatatttgt tgactgcyac atcagccgag aacagttgaa tgacatcttc 240
cccctgctga agtcgcacgc caccgtcctc tcgggtggact cgcccgatca gctcactgcg 300
aaggaagacg ttatggagac tgtcccttgg tttccaaaga agatttctga cctggacttc 360
tgcgccaaca gagtgtgtt gtatggatcc gaacttgacg ccgaccaccc tggcttcaaa 420
gacaatgtct atcgtagaag acgaaagtat tttgcagagt tggctatgaa ctacaaacat 480
ggggacccca ttcccaagat tgaattcacg gaagaagaga ttaagacctg ggggaccatc 540

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tccaactttt taaaagaacg cactgggttt tccatccgtc ctgtggctgg ttacctctca 720
ccgagagatt ttctgtcggg gttagccttt cgagtctttc actgcactca gtatgtgaga 780
cacagttcag atccccctta cactccagag ccagacacct gccatgaact cctaggccac 840
gttcctctct tggctgaacc cagttttgct caattctccc aagaaattgg cctggcttcc 900
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&lt;210&gt; 6

&lt;211&gt; 447

&lt;212&gt; PRT

&lt;213&gt; Mus Musculus

&lt;400&gt; 6

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 20      25      30
Gly Leu Ile Lys Val Leu Lys Ile Phe Gln Glu Asn His Val Ser Leu
 35      40      45
Leu His Ile Glu Ser Arg Lys Ser Lys Gln Arg Asn Ser Glu Phe Glu
 50      55      60
Ile Phe Val Asp Cys Asp Ile Ser Arg Glu Gln Leu Asn Asp Ile Phe
 65      70      75      80
Pro Leu Leu Lys Ser His Ala Thr Val Leu Ser Val Asp Ser Pro Asp
 85      90      95
Gln Leu Thr Ala Lys Glu Asp Val Met Glu Thr Val Pro Trp Phe Pro
100      105      110
Lys Lys Ile Ser Asp Leu Asp Phe Cys Ala Asn Arg Val Leu Leu Tyr
115      120      125
Gly Ser Glu Leu Asp Ala Asp His Pro Gly Phe Lys Asp Asn Val Tyr
130      135      140
Arg Arg Arg Arg Lys Tyr Phe Ala Glu Leu Ala Met Asn Tyr Lys His
145      150      155      160
Gly Asp Pro Ile Pro Lys Ile Glu Phe Thr Glu Glu Glu Ile Lys Thr
165      170      175
Trp Gly Thr Ile Phe Arg Glu Leu Asn Lys Leu Tyr Pro Thr His Ala
180      185      190
Cys Arg Glu Tyr Leu Arg Asn Leu Pro Leu Leu Ser Lys Tyr Cys Gly
195      200      205
Tyr Arg Glu Asp Asn Ile Pro Gln Leu Glu Asp Val Ser Asn Phe Leu
210      215      220
Lys Glu Arg Thr Gly Phe Ser Ile Arg Pro Val Ala Gly Tyr Leu Ser
225      230      235      240
Pro Arg Asp Phe Leu Ser Gly Leu Ala Phe Arg Val Phe His Cys Thr
245      250      255
Gln Tyr Val Arg His Ser Ser Asp Pro Leu Tyr Thr Pro Glu Pro Asp
260      265      270
Thr Cys His Glu Leu Leu Gly His Val Pro Leu Leu Ala Glu Pro Ser
275      280      285
Phe Ala Gln Phe Ser Gln Glu Ile Gly Leu Ala Ser Leu Gly Ala Ser
290      295      300
Glu Glu Thr Val Gln Lys Leu Ala Thr Cys Tyr Phe Phe Thr Val Glu
305      310      315      320
Phe Gly Leu Cys Lys Gln Asp Gly Gln Leu Arg Val Phe Gly Ala Gly
325      330      335
Leu Leu Ser Ser Ile Ser Glu Leu Lys His Ala Leu Ser Gly His Ala
340      345      350

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Lys Val Lys Pro Phe Asp Pro Lys Ile Ala Cys Lys Gln Glu Cys Leu  
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 Ala Lys Glu Lys Met Arg Glu Phe Ala Lys Thr Val Lys Arg Pro Phe  
 385                                  390                  395                  400  
 Gly Leu Lys Tyr Asn Pro Tyr Thr Gln Ser Val Gln Val Leu Arg Asp  
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 Thr Lys Ser Ile Thr Ser Ala Met Asn Glu Leu Arg Tyr Asp Leu Asp  
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27

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<400> 9  
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27